

20000611.qrp v01_n849.qrl.20000611

Date: Sun, 11 Jun 2000 19:03:04 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1849

QRP-L Digest 1849

Topics covered in this issue include:

- 1) [72396] Re: %20Morse%20Code%20Trainer...looking%20for
by AD6JY@aol.com
- 2) [72397] FS: KD1JV Digital VFOs
by "Alan Fryer" <n3bj@hotmail.com>
- 3) [72398] SMK-1 TX/RX Calibration and Making Contacts
by "Karl B. Staddon" <ve6kbs@agt.net>
- 4) [72399] Shortages & Classics
by KC4FKX@aol.com
- 5) [72400] Re: Power FET PA ?
by mikemo@attglobal.net
- 6) [72401] Re: SMK-1 RECEIVER DEAD!!!
by "Maddog 'n' Miracles" <maddog@io.com>
- 7) [72402] Re: OT: Help: email via VHF - HOW???
by "Cla KA0GKC" <ka0gkc@arrl.net>
- 8) [72403] Re: solar storm question
by Russ Dow <n7dw@garlic.com>
- 9) [72404] sf: last items
by Scott Howell <n3byy@speakeasy.org>
- 10) [72405] USS Kidd operation Sunday
by n5ib@juno.com
- 11) [72406] RS.COM meter on sale
by WD6BOR@aol.com
- 12) [72407] w/r ant
by hamjoel@juno.com
- 13) [72408] Re: QST QRP Issue
by "Ron Smith" <resmith666@uswest.net>
- 14) [72409] Re: CLUB: Austin QRP Club meeting is Saturday 6/10.
by "Paul Harden, NA5N" <na5n@rt66.com>
- 15) [72410] W/R ANT 3 ELE 40 MTR
by hamjoel@juno.com
- 16) [72411] SMK-1 RECEIVER ALIVE !!!
by Earl Murphy <earlmurf@telusplanet.net>
- 17) [72412] Morse Code Trainer...looking for
by "Gary Lee Phillips" <ka9nzi@arrl.net>
- 18) [72413] Soundblaster
by Royce Simmons <w2rnb@prodigy.net>
- 19) [72414] RE: %20Morse%20Code%20Trainer...looking%20for

- by "Coote, Jay" <JCoote@ci.arcadia.ca.us>
- 20) [72415] Re: %20Morse%20Code%20Trainer...looking%20for
by "Mike Yetsko" <myetsko@insydesw.com>
- 21) [72416] F/S Outbacker
by Wayne <walexan@ipa.net>
- 22) [72417] Re: Morse Code Trainer...looking for
by Al Patrick <arp@inet4u.com>
- 23) [72418] Code program
by "Daniel" <hamop@pixi.com>
- 24) [72419] clarification please (fwd)
by Bruce Rattray <rattray@gpfn.sk.ca>
- 25) [72420] Re: SMK-1 TX/RX Calibration and Making Contacts
by John Wagner <john@neknetwork.com>
- 26) [72421] Re: Power FET PA ?
by "Mike Yetsko" <myetsko@insydesw.com>
- 27) [72422] clarification please (fwd)
by Bruce Rattray <rattray@gpfn.sk.ca>
- 28) [72423] FS: 20 watt Amp kit by KD1JV
by Qrpop@aol.com
- 29) [72424] IRF-511 "Hexfet" pinout?
by "Coote, Jay" <JCoote@ci.arcadia.ca.us>
- 30) [72425] ZA/N5KW???
by Charles K Brown <n4so@juno.com>
- 31) [72426] RE: IRF-511 "Hexfet" pinout?
by "Ed Tanton" <n4xy@att.net>
- 32) [72427] Re: QST QRP Issue
by "R. Eric Sluder" <kb9bgs@gte.net>
- 33) [72428] Want to buy '99 QRPp issues
by "JC Smith" <jc-smith@worldnet.att.net>
- 34) [72429] hamsticks gone
by Scott Howell <n3byy@speakeasy.org>
- 35) [72430] For Sale - Many Items
by radioham@home.com
- 36) [72431] Re: Power FET PA ?
by "JC Smith" <jc-smith@worldnet.att.net>
- 37) [72432] STRONG LIGHTWEIGHT WIRE
by ARDUJENSKI@aol.com
- 38) [72433] Re: STRONG LIGHTWEIGHT WIRE
by "JC Smith" <jc-smith@worldnet.att.net>
- 39) [72434] Milliwatt Field Day Contest
by Randy Foltz <rfoltz@turbonet.com>
- 40) [72435] PSK-31 Contest
by Randy Foltz <rfoltz@turbonet.com>
- 41) [72436] Re: STRONG LIGHTWEIGHT WIRE
by "Steven Weber" <kd1jv@moose.ncia.net>
- 42) [72437] Re: SMK-1 TX/RX Calibration and Making Contacts
by NB6M@aol.com
- 43) [72438] Re: STRONG LIGHTWEIGHT WIRE

by Michael Neverdosky <mneverdosky@earthlink.net>
44) [72439] Re: STRONG LIGHTWEIGHT WIRE
by n2go@arrl.net
45) [72440] Re: STRONG LIGHTWEIGHT WIRE
by BenNW7DX@aol.com
46) [72441] Re: STRONG LIGHTWEIGHT WIRE
by Paul Erickson <paule@sfu.ca>
47) [72442] USS Kidd Today
by n5ib@juno.com
48) [72443] Re: STRONG LIGHTWEIGHT WIRE
by Al Patrick <arp@inet4u.com>
49) [72444] Another SMK Lives!
by "John J. McDonough" <wb8rcr@arrl.net>
50) [72445] Re: STRONG LIGHTWEIGHT WIRE
by Rod Johnson <ka7you@juno.com>
51) [72446] Re: clarification please (fwd)
by "Karl B. Staddon" <ve6kbs@agt.net>
52) [72447] NorCal 40A and KC1
by Michael Bower <bowerm@ix.netcom.com>
53) [72448] Re: Another SMK Lives!
by Brian <brian@iquest.net>
54) [72449] BLT: How to use?
by John Wagner <john@neknetwork.com>
55) [72450] RE: How to use?
by "Coote, Jay" <JCoote@ci.arcadia.ca.us>
56) [72451] Sensitive Stereo Headphones
by SMurph555@aol.com
57) [72452] Toroidal Madness: Oops!
by "K7FD-N7SG" <cqdx@teleport.com>
58) [72453] Re: PSK-31 Contest - 3580, 7035
by Ray Colbert <af852@rgfn.epcc.edu>
59) [72454] Re: PSK-31 Contest - 3580, 7035
by "Mark Paley" <mpaley@wcnet.org>

Date: Sat, 10 Jun 2000 19:20:11 EDT
From: AD6JY@aol.com
To: qrp-l@lehigh.edu
Subject: [72396] Re:%20Morse%20Code%20Trainer...looking%20for
Message-ID: <6c.18a2e6.2674272b@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Try Pa3bwbk's ultimate morse code website;
www.morsecode.dutch.nl.

There is one page there with links to a whole bunch of trainers you can download. My favorite is Morse Cat which has a good text editor and allows you to import text and send it to yourself (at any speed you want). I make my own morse code tapes using the output of the sound card in my computer and a cassette deck. They are great practice in the car, set it up a little bit above your comfort speed and let it roll. Just copy as much as you can. It is amazing how fast your ability to copy in your head improves as you start hearing common words and phrases as whole units.

Try Rufz! also, that one gets your letter recognition sharper and helps with copying call signs sent way too fast-- the way the testers like to do it.

73

Dan

AD6JY (trying to figure out why I keep frying the LM386 in my SMK-1)

Date: Sat, 10 Jun 2000 16:34:55 PDT
From: "Alan Fryer" <n3bj@hotmail.com>
To: qrp-l@lehigh.edu
Cc: forsale-swap@qth.net
Subject: [72397] FS: KD1JV Digital VFOs
Message-ID: <20000610233455.68983.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

For Sale: I have two KD1JV Digital VFOs that are surplus to my need. Steve sold a few of these a while ago, and these are completely unused and new. Neat, could be used for R2 RX, etc. Selling for what I paid:

\$54 EA shipped

Alan, N3BJ

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Date: Sat, 10 Jun 2000 18:29:53 -0600
From: "Karl B. Staddon" <ve6kbs@agt.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [72398] SMK-1 TX/RX Calibration and Making Contacts
Message-ID: <3942DD81.2E83C75D@agt.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

First the good news. Got my first SMK soldered up last weekend and both TX and RX seem to work - puts out about 310 mw according to my WM-2 wattmeter into a matched antenna. (The next two SMK's are going to be assembled by my kids - Doug Hendricks I'll keep you posted.)

I haven't been able to make a contact yet after a LOT of calling - so I'm beginning to think that my TX and RX are not on the same frequency. I've got lots of HF rigs around to test for exact frequencies, a Fluke scopemeter and a Scout frequency counter. I also use Spectrogram from time to time to see what's going on at the audio frequency level.

Questions:

1. Under "Testing" on page 5 of the instructions is says "Peak TC1 first to make sure that you have 2 peaks. Go for the highest noise level or signal." Query, what does all this means and how can I use my equipment to do this??
2. In the same paragraph referred to in 1. above, it goes on to say "Next peak TC2 for loudest signal. Next do the transmitter, and that is the easy part." Do I peak for perceived audio volume level? or for say signal strength at 700 hz? does it matter where the RX knob is set when peaking TC2?
3. Under "Operation" on page 5, it says "Verify the correct sideband on a transceiver, and then note which way that you tune the receiver in relation to the tone, (whether it goes up or down in pitch as you tune). Don't worry, you will soon get the hang of it. If you have questions, again, get on qrp-l, someone will be there to assist you." I don't understand the first sentence in the quote; I'm not worried, but haven't got the hang of it yet; and I'm on QRP-l beggin' fer help from the most knowledgeable group of people on the planet!

I've really enjoyed building this rig! I'm so close to making a contact I can taste it! Any guidance would be most appreciated. I hope to post excerpts to the reflector which might help others with the same struggles I'm having, but then again, I may be a minority of one hihi.

Cheers
Karl B. Staddon
VE6KBS
Calgary, Alberta

"The best laid plans seldom survive contact with the enemy"
H.W. Tilman

Date: Sat, 10 Jun 2000 20:32:34 EDT
From: KC4FKX@aol.com
To: qrp-1@lehigh.edu (Low Power Amateur Radio Discussion)
Subject: [72399] Shortages & Classics
Message-ID: <6d.4f87b7b.26743822@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Fellow QRP-Lers,

First it was the DSW-40 and now the Red Hot Radio. Looks like Doug's (KI6DS) idea to teach us how to work with surface mount technology was none to soon as the parts for THT (through hole technology) are becoming increasingly scarce.

For those fortunate enough to have one of the above mentioned rigs or similar...it may be a good idea to hang on to them as they appear destined to become "QRP Classics!"

Frank, KC4FKX

Date: Sat, 10 Jun 2000 21:36:25 -0400
From: mikemo@attglobal.net
To: JCoote@ci.arcadia.ca.us
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [72400] Re: Power FET PA ?
Message-ID: <3942ED19.AE871F79@attglobal.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

How about 60 watts out of a pair? Check March/April 1999 QST. I built one. One watt in, 60 out. For those times when the K2 needs "big hootie power".

Regards

Mike Maiorana, KU4Q0

"Coote, Jay" wrote:

> I'd like to hear from anyone who was built a power FET PA (IRF-511 or
> similar N-channel)
> for two to five watts output.

Date: Sat, 10 Jun 2000 21:12:25 -0500
From: "Maddog 'n' Miracles" <maddog@io.com>
To: qrp-l@lehigh.edu, earlmurf@telusplanet.net
Subject: [72401] Re: SMK-1 RECEIVER DEAD!!!
Message-ID: <4.3.2.7.1.20000610210539.00c27e50@mail.io.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Earl,

Check that neither D8 nor D9 are reversed.

Really sounds like a problem I discovered early on. Q4 is marginally biased, causing it to fail to saturate. Temporarily remove R18 (1K). Does this fix the problem? If so, replace it with 2K, or leave it out.

Hope this helps...

72,
monty N5FC
<http://www.io.com/~maddog/>

On QRP-L, Sat, 10 Jun 2000 11:22:56 -0500, you wrote:

>Gang, need help...
>
>Put the SMK-1 together, and the RX is somewhat dead. The RX plays noise
>and hiss, but no signals. I have the same characteristics as
>Richard(WA4NWW) who posted May 10/00.
>
>- No sidetone during TX (TX works fine)
>- TC1 and TC2 have no effect on RX audio
>- No CW signals can be heard (even with big rig on dummy load)
>- Touching TC2 produces loud hum
>- Only getting .2 volts on Gate of Q1 (should be 3.2 volts)
>- Only getting .2 volts on Collector of Q5 (should be 3.2 volts)
>- U1 (Voltages OK)
>- U2 (Voltages OK)
>- Q4 (Voltages OK)
>- Q6 (Voltages OK)
>
>Any HELP would be greatly appreciated....
>
>72....Earl (VA6RF) Pounding Brass in Bassano,AB

Date: Sat, 10 Jun 2000 21:12:37 -0500
From: "Cla KA0GKC" <ka0gkc@arrl.net>
To: <prvalko@oakland.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [72402] Re: OT: Help: email via VHF - HOW???
Message-ID: <059e01bfd34a\$e5204080\$0200000a@mcg.net>

----- Original Message -----

From: "Paul R. Valko" <prvalko@oakland.edu>
| You need access to a packet gateway. That's up to you to find., we have
| one here in Detroit.

Actually, only if you POP your email from your Internet ISP. If you become a user on a TCP/IP packet station you will have an email address from that station and a password is not required. Sure, it's not as secure as anyone can monitor your packets to and from the TCP/IP station. However, if you set TCP/IP up at your home station, your email will most likely be transmitted encrypted and compressed and is not readily readable. And no this is not against the rules as the compression technique is in the public domain.

73 de Cla KA0GKC

Date: Sat, 10 Jun 2000 19:31:50 -0700
From: Russ Dow <n7dw@garlic.com>
To: sjolin@swbell.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [72403] Re: solar storm question
Message-ID: <3942FA16.C8ACED8D@garlic.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Dave,

Paul or others may have answered you off the list, but here's my bit.

Imagine drawing a west-east line through the middle of the U.S., past San Francisco, Denver, and Washington DC. About 38 degrees North. Then extend that line due east. Virtually all of Europe is north of that line. Thus, as far as aurora is concerned, being in Europe must be like being in Canada.

73,
Russ N7DW

Dave Sjolín wrote:

>
> Paul, I would like to pick your brain on another propagation question.
>
> Over the last couple weeks, two meter operators throughout Europe have
> been experiencing sporadic E skip for periods of several hours at a
> time. Here in the states, I've only seen one on two reports of VERY
> short (minutes) sporadic E on two.
>
> Is there any logical reason for this difference other than perhaps
> greater activity during the day on two meters in Europe.
>
> If I sound jealous, I am. They got full brunt of the meteor storm last
> November and they seem to get more aurora than we do. Now it seems they
> get the E-skip as well. Am I just jealous or is there a logical reason.
>
> 73 de Dave, N0IT

Date: Sat, 10 Jun 2000 23:01:16 -0400 (EDT)
From: Scott Howell <n3bby@speakeasy.org>
To: tentec@contesting.com, qrp-l@lehigh.edu, cw@qth.net
Subject: [72404] sf:last items
Message-ID: <Pine.LNX.4.20.0006102242260.545-100000@n3bby.yi.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Well here's the last of what I have.

The Triton is claimed for the minute.

Astron SS-30A 25A continuous 30A peak. \$90 shipped/insured.

MFJ Deluxe high current dc power strip model 1118. Has 2 15A connections
and 6 12A connections
Has been modified for the Astron, but you can make any connection you'd
like. \$30 shipped or \$20 with the Astron

MFJ 1700B antenna switch. allows 6 radios and 6 antennas. Can be switched
to share any rig with any ant. Also, has connecting points for tuners
which can service all gear.
\$65 shipped/insured.

APC NetUps 420. Perfect for your packet station or any radio gear. Has serial interface and Linux/Unix Win9x/NT supported. \$185 shipped. This unit ins only a month old. Had to upgrade to something much larger. Original packaging like from the factory.

a set of Czek paddles. If you've been to dayton, you'll know these. \$65 shipped.

Flameproof Navy Key \$45 shipped. Currently mounted on Marble base will remove upon request. \$40 without base

German Junker hand key (yes its pronounced Yunker) \$40 shipped. Has a broken wire in the case, but haven't the skills to fix something that small.

Otherwise is in excellent condx.

Signal Corps GT5 telegraph set. excellent condx \$40 shipped.

Easy cd Creator 4.0 (upgrade via web to 4.0x) \$35 shipped. All items included as well as labels for cds device for putting labels on etc.

Great for making any kind of cd. Yes, even cw practice cds. You can actually connect a source to your sound card and record to your pc for burning at a later time.

All items have manuals and are in excellent condx. Please make offers.

I also have an asorted box of coax cable. I can't recall all that is in there, but there is some rg8X I believe and lots of good stuff.

Will let all the cable go for \$35. I think there's definately that much in there if not more.

Will toss in some other goodies like reducers and whatever else I can find in the box. Yes, a grab bag, but a good one I think.

I also have some Ham sticks for 80, 40, 17, 15, 10, 6/2 and will let them all go for \$25 shipped.

I also have a couple of fm antennas from RS that folks were/are using to make 2M beams. Will let them both go for \$25 shipped.

If your looking for something, just ask, I might just have it. Sorry no parts like caps etc. Just trying to clean up the shack. Geting prepared to move soon.

tnx

72/73 de Scott/n3byy

Date: Sun, 11 Jun 2000 00:48:20 EDT
From: n5ib@juno.com
To: qrp-1@Lehigh.edu
Subject: [72405] USS Kidd operation Sunday
Message-ID: <20000610.234252.4671.7.N5IB@juno.com>

I plan to go aboard the USS Kidd tomorrow (Sunday) and be operating W5KID by about 1430 Z or a little before, QRP cw operations until about 1800 or 1900 Z. I plan to begin near 14060, stay there about 2 hrs and then move to 21060 for the remainder, unless 10 m should open, in which case I'll try to do an hour or so around 28060.

If neither of those three bands are good I'll try 30 m near 10116.

Rig will be K2 at 5 W to the end-fed wire in the ship's rigging. I'll bring the 2 m HT, the POQET, and the packet TNC equipment along and post a spot to the dx cluster if possible.

72
Jim N5IB
operating W5KID aboard the USS Kidd, Baton Rouge LA

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<http://dl.www.juno.com/get/tagj>.

Date: Sun, 11 Jun 2000 01:01:56 EDT
From: WD6BOR@aol.com
To: qrp-1@lehigh.edu
Subject: [72406] RS.COM meter on sale
Message-ID: <e0.5879935.26747744@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I just purchased a Metex DMM that Radioshack.com currently has on sale for \$29.95. It is a full-function digital auto-ranging multi-meter that includes a RS-232 serial port and the software needed to log measurements onto your computer. I had bought two of these previously for school and was impresses

by the apparent quality for a meter that sold at that time for \$39.95. It has data-hold and range-hold functions and measures AC and DC voltage and current, resistance and diode functions. If you are new to building, a good meter is one of the basic tools for the bench. There are other meters out there with beta transistor test functions as well as capacitance measurement that show up on sale for similar prices. I've bought the Elenco DMMs for use in my classes, but they are definitely the cheaper made-in China type, and haven't held up that well. I see them on sale at Harbor Freight every few months for about \$10, but the Metex meter looks like one that will last quite a bit longer.

One thing I do when building a rig is to use two meters simultaneously to monitor supply current and measure voltages when tuning the rig. I don't own stock in Radio Shack, but they occasionally have test equipment on sale at some killer prices. This one is catalog number 910-4092, on sale until July 1. The telephone number is 1-800-442-7221, and the web site is www.radioshack.com/b2b.

72, Darrel, WD6BOR

Date: Sun, 11 Jun 2000 01:08:59 -0400
From: hamjoel@juno.com
To: qrp-l@lehigh.edu
Subject: [72407] w/r ant
Message-ID: <20000611.011009.-280035.1.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

hey guys/gals

I'm serious about the antennas... u can have a bent beam... or beautify some 4x4s for the xyl... course the anennas closer than 1/2 wave off the ground won't be as effective as the higher ones.... however they will be more effective than ur dipole at the same height... and the horizontal loops... they work fine....

sit and think about what u have, measurements, play ant on paper, think un-conventional...

I've been looking over my yard and trees for over two years now and suddenly it dawns on me ... look there is a way to do this or that... play with ur measurements on paper...

Ur antenna IS YOUR LINK WITH the outside world... it can make 5 watts sound like a hundred or a hundred watts sound like milliwatts....and it's sumthin u gotta have....

think about it a while...

kella joel
in maine

just thinking about it...

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<http://dl.www.juno.com/get/tagj>.

Date: Sat, 10 Jun 2000 23:53:42 -0600
From: "Ron Smith" <resmith666@uswest.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [72408] Re: QST QRP Issue
Message-ID: <009d01bfd369\$87e323a0\$0200000a@uswest.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> I want to publicly thank Ed Hare W1RFI for the March 2000 issue

I would like to echo Pete's thanks. I have read many a QST and IMHO this is the absolute best issue bar none.

Thanks Ed. Great job.

Ron Smith
KD7VD
Boise, Idaho

Date: Sat, 10 Jun 2000 23:56:40 -0600 (MDT)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: Glen Reid <k5fx@flash.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [72409] Re: CLUB: Austin QRP Club meeting is Saturday 6/10.
Message-ID: <Pine.SUN.4.10.10006102354390.20389-100000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 9 Jun 2000, Glen Reid wrote:

> Just a reminder that the Austin QRP Club meeting is Saturday 6/10.

>

> Anyone not at Hamcomm, can come to the other major radio geek event of

> the weekend...A QRP Club

Gee, I forgot that HamCom was this weekend. Didn't see any postings on qrp-l about it. Hope someone attending BOTH QRP events will post a report.

72, Paul NA5N

Date: Sat, 10 Jun 2000 21:30:38 -0400
From: hamjoel@juno.com
To: qrp-l@lehigh.edu, elecraft@qth.net
Subject: [72410] W/R ANT 3 ELE 40 MTR
Message-ID: <20000610.213153.-184527.0.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

High y'all

the eighty meter two element worked so I took it down today and soldered the wires together and cut them for a three element forty meter beam.... driven to reflector is 28ft .. and driven to director is 21 ft.... driven is 66ft.... reflector is 70ft 5 inches.... director is 62ft

I got this one up about 45 ft and by george I've been working and receiving all over europe tonite at 5watt rtty... there be a contest on....

I'm receiving signals twenty over nine.. just worked a ukraine station on 7041...

guys gals it's great fun working stations on whatever, at ur favorite power level... however I find it just fantastic to make two or three elements fit into whatever space I have on forty and eighty and work across the pond.... or across the states

It never ceases to amaze me what 5 watts can do, if given a chance... Look at what Jim has done with milliwatts and a good antenna... try it u will like it, I guarantee u will love getting 599 reports with 5 or less watts... and u have less wasted radiation in unwanted directions... which means u can go down to even lower power levels if u want too and u get a bonus by receiving the signal u want better....

if u need help figuring out what can be put up in the space u have e-mail me and I'll scratch my head with you... I just learned that u can put half the element flat and let the other half just drop straight down.... (when I put up the 80mtr two element... I only have room for 66 ft across.... so 33 ft each side of center and let the rest drop... it worked great... urs will work great... if u can try it... u'll love

it....

I've almost got the trutty program figured out for my replies... so gonna go play some more.... dx on forty... an't this great fun....

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<http://dl.www.juno.com/get/tagj>.

Date: Sun, 11 Jun 2000 02:02:55 -0500

From: Earl Murphy <earlmurf@telusplanet.net>

To: qrp-l@lehigh.edu

Subject: [72411] SMK-1 RECEIVER ALIVE !!!

Message-ID: <3943399F.4E93@telusplanet.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

MANY THANKS GANG:

THANK-YOU, one and all who responded to my plea for help with my sick SMK-1 receiver. Went with Jim's(N5IB) suggestion, that the oscillator may not be functioning, and sure enough. Resoldered all components around the chip and XTYL. NOW, TOO MANY SIGNALS :)

Initiated the little rig at 07:15Z, with a nice QSO with Ron(AC7AC) in Forest Grove , Oregon. Thanks Ron for the reply with my 350 MW. My mouth waters every time I hear a K2, even if you were running 5000 MW :) sounded GREAT!

Also, THNAKS to the design team and all who helped with the SMK-1...Was a treat to try surface mount...Bring on the 10 Meter rig...

72.....Earl (VA6RF) Pounding Brass in Bassano, AB.

Date: Sun, 11 Jun 2000 07:00:30 -0500

From: "Gary Lee Phillips" <ka9nzi@arrl.net>

To: qrp-l@lehigh.edu

Subject: [72412] Morse Code Trainer...looking for

Message-ID: <200006111200.IAA16939@granger.mail.mindspring.net>

I like the MFJ tutor gadget for portability, but it will cost you about \$80.

The most versatile computer software trainer I've tried is The Mill by John Farrior. It does both Continental and American Morse, and can even emulate the railroad style telegraph sounder in either mode. Plays back any plain text you provide in either code, at your choice of speeds, with or without Farnsworth, and with or without gradual boosting of the speed, etc. Best of all, it's free. I got it by following links from the FISTS page at www.fists.org.

-- Gary Phillips, Marengo, IL <mailto:ka9nzi@arrl.net>
KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg
QRP-L #2124 <http://www.qsl.net/ka9nzi/>

Date: Sun, 11 Jun 2000 10:01:36 -0400
From: Royce Simmons <w2rbn@prodigy.net>
To: qrp-l@Lehigh.EDU
Subject: [72413] Soundblaster
Message-ID: <39439BC0.AD8@prodigy.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi All,

I asked this question on the PSK31 list but I think it is defunct, I have not received anything from it for weeks.

Does anyone know of a manual that describes soundblaster programming? All the books I have been able to locate are out of print.

Thanks, Royce

--

Royce Simmons
Please note my new Internet ID: w2rbn@prodigy.net

Date: Sun, 11 Jun 2000 07:16:01 -0700
From: "Coote, Jay" <JCoote@ci.arcadia.ca.us>
To: "'AD6JY@aol.com'" <AD6JY@aol.com>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [72414] RE: %20Morse%20Code%20Trainer...looking%20for

Message-ID: <131CE266CAD0D211B3550008C7C9A2D51CBBAF@arcadia-pd1.arcadiapd.com>
MIME-Version: 1.0
Content-Type: text/plain

www.morsex.com (I think I have that right) is another related site.
Jay
W6CJ

-----Original Message-----

From: AD6JY@aol.com [mailto:AD6JY@aol.com]
Sent: Saturday, June 10, 2000 4:20 PM
To: Low Power Amateur Radio Discussion
Subject: Re:%20Morse%20Code%20Trainer...looking%20for

Try Pa3bwbk's ultimate morse code website;
www.morse code.dutch.nl.

There is one page there with links to a whole bunch of trainers you can
down
load. My favorite is Morse Cat which has a good text editor and allows
you to
import text and send it to yourself (at any speed you want). I make my
own
morse code tapes using the output of the sound card in my computer and a
cassette deck. They are great practice in the car, set it up a little bit
above your comfort speed and let it roll. Just copy as much as you can.
It is
amazing how fast your ability to copy in your head improves as you start
hearing common words and phrases as whole units.
Try Rufz! also, that one gets your letter recognition sharper and helps
with
copying call signs sent way too fast-- the way the contesters like to do
it.

73
Dan
AD6JY (trying to figure out why I keep frying the LM386 in my SMK-1)

Date: Sun, 11 Jun 2000 10:24:17 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <JCoote@ci.arcadia.ca.us>, "Low Power Amateur Radio Discussion" <qrp-
1@Lehigh.EDU>

Subject: [72415] Re: %20Morse%20Code%20Trainer...looking%20for
Message-ID: <001301bfd3b0\$dbe53640\$2c4dfea9@dadshp>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Be aware that in the past people have complained that some
'filtering' software will not allow access to the morsex site.

Parse the name differently and you will understand.

Mike

> www.morsex.com (I think I have that right) is another related site.
> Jay
> W6CJ
>
> -----Original Message-----
> From: AD6JY@aol.com [mailto:AD6JY@aol.com]
> Sent: Saturday, June 10, 2000 4:20 PM
> To: Low Power Amateur Radio Discussion
> Subject: Re:%20Morse%20Code%20Trainer...looking%20for
>
>
> Try Pa3bwbk's ultimate morse code website;
> www.morse code.dutch.nl.
>
> There is one page there with links to a whole bunch of trainers you can
> down
> load. My favorite is Morse Cat which has a good text editor and allows
> you to
> import text and send it to yourself (at any speed you want). I make my
> own
> morse code tapes using the output of the sound card in my computer and a
>
> cassette deck. They are great practice in the car, set it up a little bit
>
> above your comfort speed and let it roll. Just copy as much as you can.
> It is
> amazing how fast your ability to copy in your head improves as you start
>
> hearing common words and phrases as whole units.
> Try Rufz! also, that one gets your letter recognition sharper and helps
> with
> copying call signs sent way too fast-- the way the contesters like to do
> it.

>
> 73
> Dan
> AD6JY (trying to figure out why I keep frying the LM386 in my SMK-1)
>

Date: Sun, 11 Jun 2000 09:36:07 -0500
From: Wayne <walexan@ipa.net>
To: qrp-l@Lehigh.EDU
Subject: [72416] F/S Outbacker
Message-ID: <4.3.1.2.20000611093240.00a72100@popd.ipa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"; format=flowed
Content-Transfer-Encoding: quoted-printable

I have a OutBacker Perth Mobile antenna I would like to sell.
It works great and looks just like new.
Covers 10-80 meters.
Asking \$150.00 plus shipping.
Thanks and have a great day.
73,
Wayne
N=D8EA

Date: Sun, 11 Jun 2000 10:52:54 -0400
From: Al Patrick <arp@inet4u.com>
To: nally@talstar.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [72417] Re: Morse Code Trainer...looking for
Message-ID: <3943A7C6.5C0DFF05@inet4u.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

John Nall wrote:

> Can anyone suggest the name/location of a really good software
> program for morse code? I have been using NuMorse, which is
> good, but the top speed on it seems to be 20 wpm. Yeah, I know.
> That is plenty, but I would like to be able to practice at a higher
> speed than 20.
>

> Thanks for any help.
>
> John AF4WM (ex-WB4LOQ)

John,

I ignored this for a while as you were looking "software program" and I figured it didn't apply. I saw another message referring to \$80 for the MFJ. However, I've seen the MFJ-418 Pocket Morse Code Tutor for sale (used) for as little as \$40 or \$50 -- delivered. Not saying everyone will part with theirs for that price. <g> It is very handy (pocket sized, except for the ear phones, should you use them. It's a bit "low" in vol. w/o them.) and goes up to 60 wpm.

Why don't you post a "WTB: MFJ-418 Morse Tutor" and see what happens?

73,

Al

--

"The Truth is Hate, to Those Who Hate the Truth"
Do what's right. You'll please OR AMAZE everyone!

Love and hatred are both necessary. For one to love
some things he must hate others, and visa versa.

Date: Sun, 11 Jun 2000 05:03:18 -1000
From: "Daniel" <hamop@pixi.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [72418] Code program
Message-ID: <200006111502.FAA06497@phoenix.pixi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

<http://www.mrx.com.au/>

This is a site some one told me about for copying code called MRX. You copy through the keyboard and it'll automatically grade it. It's a good way to see how you are doing. It's able to go from 5wpm to about 99wpm. Just click on the download link and then click on the first program download link.

Aloha,
Daniel

AH7MI

Date: Sun, 11 Jun 2000 09:26:08 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Low Power Group <qrp-l@LeHigh.EDU>
Subject: [72419] clarification please (fwd)
Message-ID: <Pine.LNX.3.95.1000611092037.18053B-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I'm using Paul Harden's, NA5N, Data book to breadboard an LM380 audio amplifier....I'm using the General Purpose LM380N (14 pin version) Power Amplifier diagram in Section 4....in the diagram, just above the negative input at pin 6 is a 4.7 uF electrolytic to ground.....I'm not sure which pin it connects to on the IC....is it pin 7 or 9?....I just can't make it out with these eyes...hi hi....

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Sun, 11 Jun 2000 11:26:36 -0400
From: John Wagner <john@neknetwork.com>
To: ve6kbs@agt.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [72420] Re: SMK-1 TX/RX Calibration and Making Contacts
Message-ID: <3943AFAC.B32766FC@neknetwork.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

All,

I'm in the same boat as Karl here; I don't really get the hang of the "verify the correct sideband" part of the instructions. How?! When I key my transmitter and turn the receiver tuning clockwise, I come into a high pitched signal. As I keep turning, it lowers and then disappears (zero beat I assume), as I keep turning clockwise the sig comes back low and moves high.

So what is that telling me? Which sideband do I want and how far do I

want to go into it?

Thanks, 73,

John, KB1ENS

P.S. The BLT kit does indeed work FB with the SMK-1. What a nifty little setup. I want to have a QSO with the the 350mw of the SMK-1 and then do the 1 watt mod that was posted here and on the Norcal web site.

"Karl B. Staddon" wrote:

>
> First the good news. Got my first SMK soldered up last weekend and both
> TX and RX seem to work - puts out about 310 mw according to my WM-2
> wattmeter into a matched antenna. (The next two SMK's are going to be
> assembled by my kids - Doug Hendricks I'll keep you posted.)
>
> I haven't been able to make a contact yet after a LOT of calling - so
> I'm beginning to think that my TX and RX are not on the same frequency.
> I've got lots of HF rigs around to test for exact frequencies, a Fluke
> scopemeter and a Scout frequency counter. I also use Spectrogram from
> time to time to see what's going on at the audio frequency level.
>
> Questions:
>
> 1. Under "Testing" on page 5 of the instructions is says "Peak TC1
> first to make sure that you have 2 peaks. Go for the highest noise
> level or signal." Query, what does all this means and how can I use my
> equipment to do this??
>
> 2. In the same paragraph referred to in 1. above, it goes on to say
> "Next peak TC2 for loudest signal. Next do the transmitter, and that is
> the easy part." Do I peak for perceived audio volume level? or for say
> signal strength at 700 hz? does it matter where the RX knob is set when
> peaking TC2?
>
> 3. Under "Operation" on page 5, it says "Verify the correct sideband on
> a transceiver, and then note which way that you tune the receiver in
> relation to the tone, (whether it goes up or down in pitch as you
> tune). Don't worry, you will soon get the hang of it. If you have
> questions, again, get on qrp-l, someone will be there to assist you." I
> don't understand the first sentence in the quote; I'm not worried, but
> haven't got the hang of it yet; and I'm on QRP-l beggin' fer help from
> the most knowledgeable group of people on the planet!
>
> I've really enjoyed building this rig! I'm so close to making a contact
> I can taste it! Any guidance would be most appreciated. I hope to post
> excerpts to the reflector which might help others with the same

> struggles I'm having, but then again, I may be a minority of one hihi.
>
> Cheers
> Karl B. Staddon
> VE6KBS
> Calgary, Alberta
>
> "The best laid plans seldom survive contact with the enemy"
> H.W. Tilman

--

John Wagner - john@neknetwork.com
Web page: <http://www.neknetwork.com>
Sign up for PayPal:
<https://secure.paypal.com/refer/pal=john%40neknetwork.com>

Date: Sun, 11 Jun 2000 11:24:40 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <mikemo@attglobal.net>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [72421] Re: Power FET PA ?
Message-ID: <005301bfd3b9\$5142b540\$2c4dfea9@dadshp>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

You know, as much as I like my K2, and I USUALLY (99% or more of the time) leave it set for 5W, there are those times that I would like to kick some, well, kick something... So, I know Elecraft is/was talking about a 50W/100W amp. But I wouldn't mind another construction project for an EXTERNAL amp.

Hmm, I wonder.... If the Elecraft amp is INTERNAL as an option for the rig, does that mean it's not legally a prohibited linear and can work on 10M? But if we build one externally, it has to be 'home brew' to be legal, it couldn't be a 'kit', not and work on 10M. Especially with the K2 being 10W PEP output!

So, on the 'Home Brew' thread... Shall we start a discussion going on building a K2 compatible amp?

First question!! If we do this as a group, what input drive level do we assume? 10W PEP that a standard K2 normally puts out? Or a fixed 5W PEP that is the QRP line?

Hmm, I wonder... How many people who built K2's wired them for 5W? And how many built them 'as designed' so they could kick up to 10-15W?

I built mine for the full power. I figured I can always turn it back to 5W with the power control. And since I'm not a serious radio backpacker, the slightly better efficiency you get if you built it for 5W didn't mean that much to me.

Mike N1DVJ
K2# 1058

> How about 60 watts out of a pair? Check March/April 1999 QST. I built
> one. One watt in, 60 out. For those times when the K2 needs "big hootie
> power".
> Regards
> Mike Maiorana, KU4QO
>
> "Coote, Jay" wrote:
> > I'd like to hear from anyone who was built a power FET PA (IRF-511 or
> > similar N-channel)
> > for two to five watts output.
>

Date: Sun, 11 Jun 2000 09:28:01 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Low Power Group <qrp-l@LeHigh.EDU>
Subject: [72422] clarification please (fwd)
Message-ID: <Pine.LNX.3.95.1000611092725.18053C-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

....hmmmm.....maybe it's pin 14?.....

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

----- Forwarded message -----
Date: Sun, 11 Jun 2000 09:26:08 -0600 (CST)
From: Bruce Rattray <rattray@neale.gpfn.sk.ca>
To: Low Power Group <qrp-l@LeHigh.EDU>
Subject: clarification please (fwd)

I'm using Paul Harden's, NA5N, Data book to breadboard an LM380 audio amplifier....I'm using the General Purpose LM380N (14 pin version) Power Amplifier diagram in Section 4....in the diagram, just above the negative input at pin 6 is a 4.7 uF electrolytic to ground.....I'm not sure which pin it connects to on the IC....is it pin 7 or 9?....I just can't make it out with these eyes...hi hi....

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Sun, 11 Jun 2000 11:39:20 EDT
From: Qrpop@aol.com
To: qrp-l@lehigh.edu
Subject: [72423] FS: 20 watt Amp kit by KD1JV
Message-ID: <bf.40502c2.26750ca8@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I have one of KD1JV/Steve Weber's 20 watt Amp kits that I thought I was going to build. However, other projects have eaten up my time. It includes the kit and a heatsink.

I will sell for \$28 shipped. If interested Please contact: W2IV@arrl.net
Tnx es 73 John W2IV

Date: Sun, 11 Jun 2000 08:40:50 -0700
From: "Coote, Jay" <JCoote@ci.arcadia.ca.us>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [72424] IRF-511 "Hexfet" pinout?
Message-ID: <131CE266CAD0D211B3550008C7C9A2D51CBBB0@arcadia-pd1.arcadiapd.com>
MIME-Version: 1.0
Content-Type: text/plain

I can't seem to find a pinout for an IRF-511 hexfet (powerFET) here in the radio shop.

Can somone give me the info on which leads are G/D/S?

Thanks

Jay

W6CJ

Date: Sun, 11 Jun 2000 10:41:51 -0500
From: Charles K Brown <n4so@juno.com>
To: qrp-1@lehigh.edu
Subject: [72425] ZA/N5KW???
Message-ID: <20000611.105327.4062.2.n4so@juno.com>

Has anyone heard Marty, ZA/N5KW who was scheduled to begin operation June 10 on mainly SSB around 14.225? His original qrp-1 post was from June 4, last Sunday. Would prefer a contact on CW if Marty plugs in the paddle and keyer.

///

JY8TT Jordan Amir/4X6TT was on yesterday on 14.195 and he mentioned QSY to 24.945 at 2200Z for more contacts.

Ken Brown N4SO
Mobile, AL EM50-tk
NorCal 20 at 5 watts
4 element yagi

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Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Sun, 11 Jun 2000 12:04:12 -0400
From: "Ed Tanton" <n4xy@att.net>
To: <JCoote@ci.arcadia.ca.us>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [72426] RE: IRF-511 "Hexfet" pinout?
Message-ID: <CKEGICNFDIMCEKEDCEHFOEHCCMAA.n4xy@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Jay... it is GDS viewed from the front, leads pointed down. I have a selected few favorites' data sheets on the Homebrew Topics page of my website-including this one, at:

<http://www.qsl.net/n4xy/hmbw1.html>

73 Ed Tanton <n4xy@arrl.net> K2# 0057 (FT)

Technical Editor QRP ARCI "QRP Quarterly"

website: <http://www.qsl.net/n4xy/>

> -----Original Message-----

> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of

> Coote, Jay

> Sent: Sunday, June 11, 2000 11:41 AM

> To: Low Power Amateur Radio Discussion

> Subject: IRF-511 "Hexfet" pinout?

>

>

> I can't seem to find a pinout for an IRF-511 hexfet (powerFET) here in
> the radio shop.

> Can someone give me the info on which leads are G/D/S?

> Thanks

> Jay

> W6CJ

Date: Sun, 11 Jun 2000 11:26:03 -0500

From: "R. Eric Sluder" <kb9bgs@gte.net>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [72427] Re: QST QRP Issue

Message-ID: <3943BD9B.EF6B4DF5@gte.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Yep, that's why I'm here on the list! I had just rejoined the League in hopes of rekindling a disgruntled Ham Radio spirit - and low and behold my first QST to arrive was the March issue.

Now, I'm actively pursuing that first kit to build, and have dusted off the Paragon and thinking of modifying it for 5 watts or less operation to shake the cobwebbs out of my key! Going to get a TT2 for sure...

Went to HamComm here in Texas and ran into a great bunch of QRP folks so.... so far so good - you seem like a great bunch of folks to hang around with!!!

Thanks, Ed I'm hooked so far! Running QRO was BORING after a few hundred contacts!

Eric Sluder
KB9BGS/5
Flower Mound, TX

Ron Smith wrote:

>
> > I want to publicly thank Ed Hare W1RFI for the March 2000 issue
>
> I would like to echo Pete's thanks. I have read many a QST and IMHO this is
> the absolute best issue bar none.
>
> Thanks Ed. Great job.
>
> Ron Smith
> KD7VD
> Boise, Idaho

Date: Sun, 11 Jun 2000 09:16:48 -0700
From: "JC Smith" <jc-smith@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [72428] Want to buy '99 QRPP issues
Message-ID: <004901bfd3c0\$88de12e0\$1f04480c@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi All,

Due to a mailing list mix-up and extended travel I failed to get any of the 1999 issues of QRPP. I have a Winter '99 issue on the way. Does anyone have any of the other '99 issues they would be willing to part with? I know the reprints will be available later in the year, but I'd really like to have originals for my collection if possible.

I have the following available for trade if anyone is interested:

QRPP Book of 1994 reprints (Vol. II, nos. 1-4)
QRPP Original Winter '98 issue (Vol. VI, no. 4)
hambrew Summer and Autumn 1995 issues
hambrew Spring and Winter 1996 issues

Please contact me off the list if you can help.

Thanks & 72,

JC,k0hps@amsat.org

----- Original Message -----

From: Mel Evans <mel@euramcom.freeserve.co.uk>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Saturday, June 10, 2000 1:24 PM
Subject: Re: Capacitor identification

> Try my page at
>
> <http://www.euramcom.freeserve.co.uk>
>
> for help with capacitor markings and codes.

> Regards

>
> Mel
> GM6JAG, Edinburgh Scotland
> Home of the last HW9

> -----Original Message-----

> From: Rick McKee <kc8aon@juno.com>
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Date: 10 June 2000 13:32
> Subject: Capacitor identification

> >Gang,

> >
> > I have 2 disk type caps that are marked: 82M 6KV, I know what the
> >6KV is, but I'm confused about the 82M. Is this 82 uf or 82 pf or what ?

> >
> >73...Rick McKee KC8AON { CW lives as long as I do ! }
> >Willow Wood,Ohio "oo's"
> >AR QRP # 269 QRP-L # 2112 ZOMBIE # 718 FPqrp # 33
> >TriState BrassPounders # 1

> >
> >-----
> >YOU'RE PAYING TOO MUCH FOR THE INTERNET!
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> ><http://dl.www.juno.com/get/tagj>.

>

Date: Sun, 11 Jun 2000 12:23:27 -0400 (EDT)
From: Scott Howell <n3byy@speakeasy.org>
To: qrp-1@lehigh.edu, tentec@contesting.com, cw@qth.net
Subject: [72429] hamsticks gone
Message-ID: <Pine.LNX.4.20.0006111221560.291-100000@n3byy.yi.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I thought I'd let everyone know the hamsticks are gone. They sold within five mins of posting.

I obviously asked very little and that must be the reason they went so quick. That or they don't make them anymore.G<>

tnx to all who were interested.

73 de Scott/n3byy

btw, the paddles are gone as well

Date: Sun, 11 Jun 2000 12:24:13 -0400
From: radioham@home.com
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [72430] For Sale - Many Items
Message-ID: <3.0.6.32.20000611122413.007a4500@24.2.2.70>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Clearing out the extras and items that are gathering dust - looking to get a you know what (willing to trade a lot for a built one, fat chance :-)):

Code Star Microcraft LED CW/ASCII/RTTY reader - with variable filter and built-in speaker. Runs off 12v. Can keep up with CW to about 35 wpm. Decodes RTTY well, but will not do PSK-31 or other digital modes. With manual.
\$45 shipped in US

Autek Research QF-1A audio filter. Works well, in good condition. Runs off 120 VAC. Used it with my HW-8 and it helped a lot.

With manual.
\$35 shipped in US.

AOR-501 Radio Telegraph Terminal - LCD CW (and only CW) reader - with built in CW Trainer (random code) and iambic keyer. Small built-in speaker. Runs off 12 V. With Manual and original box. Works very well.
\$65 shipped in US.

Ten Tec #1051 Transmatch Tuning Bridge with manual.
\$17 shipped in US.

MFJ-9406 six meter SSB xcvr (about 12 W PEP) with MFJ mike, manual and original box. Excellent condition. Works very well - using during VHF contest this weekend and working many stations considering my crummy long wire antenna.
\$175 shipped in US.

Bencher RJ-1 black base straight hand key - excellent condition, smooth action.
\$65 shipped in US.

Bencher BY-1 Black Iambic paddle - very good condition, narrow paddle spacing.
\$65 shipped in US.

K-E Electronics Memo 512 keyer - built in power supply, runs off 120VAC, has built in plexiglass paddles and a built in speaker. Two memories which I have never figured out how to use. I used it as a practice keyer to learn how to use paddles. It is set up for grid block keying, but I believe that can be changed internally. No manual.
\$35 shipped in US.

AEA DX Handy MX 28-S - made by Mizuho - 10 meter handheld SSB/CW xcvr, two crystals installed covering approx. 28.4 to 28.5 MHz, with 2 extra crystals covering 28.25 to 28.30 and 20.30 to 28.35 MHz not installed (only takes 2 at a time). Analog dial, approx 1.5 watts out with fresh AA batteries, SSB or CW. Comes with original whip antenna and wire counterpoise. Also copy of manual in English. I have worked all over the world using my main long wire antenna on it; with the whip, mostly South America and nationwide from Virginia. Great time to use this rig, with the sunspots being high. But don't be misled, you are definitely at a disadvantage with the attached whip - conditions have to be good and high elevation helps.

Does work well for local nets on 10. Portable performance is improved significantly

If you run it with a mag mount 108" whip on your car.

\$190 shipped in US

AEA DX Handy MX 6-S - made by Mizuho - 6 meter handheld SSB/CW xcvr, two crystals installed covering approx. 50.10 - 50.15 and 50.20 - 50.25.

Everything else pretty much the same as the MX 28S, except I do not have a manual for it and does not need the counterpoise.

You can work stations, especially during a contest with the whip, but a mag mount on your car makes an amazing difference.

\$190 shipped in US.

Or - both DX Handys for \$350 including shipping.

Please respond direct. Always willing to negotiate reasonable offers.

72/73,

Steve, N4EUK

Reston, VA

Date: Sun, 11 Jun 2000 09:38:45 -0700

From: "JC Smith" <jc-smith@worldnet.att.net>

To: <myetsko@insydesw.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [72431] Re: Power FET PA ?

Message-ID: <005301bfd3c3\$86e066c0\$1f04480c@att.net>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Personally, I think a QRP "kicker" with about 50 Watts output would be ideal. It should be able to develop full output with as little as 1 Watt input and have an attenuator on the input for use with rigs that won't go that low. Plug in band modules would be acceptable, or perhaps a switched, dual band setup (or both). I have been playing with a little CB amp I found at a swap meet. It's output is nasty so I won't use it until I add filters, but it puts out over 100 Watts with one Watt input from my NorCal-40. Only problem is that it's rf switched and too slow for even semi-qsx (designed for AM of course). You lose the first dit or dah of the first character of every transmission (or every word at slow speeds). Unfortunately, it came with no schematic or manual.

I believe there was something similar in QST a few years ago (maybe ten years ago??) but I'd bet something better could be designed now.

72 - JC,k0hps@amsat.org

----- Original Message -----

From: Mike Yetsko <myetsko@insydesw.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Sent: Sunday, June 11, 2000 8:24 AM

Subject: Re: Power FET PA ?

> You know, as much as I like my K2, and I USUALLY (99% or more
> of the time) leave it set for 5W, there are those times that I would
> like to kick some, well, kick something... So, I know Elecraft
> is/was talking about a 50W/100W amp. But I wouldn't mind
> another construction project for an EXTERNAL amp.
>
> Hmm, I wonder.... If the Elecraft amp is INTERNAL as an option
> for the rig, does that mean it's not legally a prohibited linear and
> can work on 10M? But if we build one externally, it has to be
> 'home brew' to be legal, it couldn't be a 'kit', not and work on
> 10M. Especially with the K2 being 10W PEP output!
>
> So, on the 'Home Brew' thread... Shall we start a discussion
> going on building a K2 compatible amp?
>
> First question!! If we do this as a group, what input drive level
> do we assume? 10W PEP that a standard K2 normally puts
> out? Or a fixed 5W PEP that is the QRP line?
>
> Hmm, I wonder... How many people who built K2's wired them
> for 5W? And how many built them 'as designed' so they could
> kick up to 10-15W?
>
> I built mine for the full power. I figured I can always turn it back
> to 5W with the power control. And since I'm not a serious radio
> backpacker, the slightly better efficiency you get if you built it
> for 5W didn't mean that much to me.
>
> Mike N1DVJ
> K2# 1058
>
> > How about 60 watts out of a pair? Check March/April 1999 QST. I built
> > one. One watt in, 60 out. For those times when the K2 needs "big hootie
> > power".
> > Regards
> > Mike Maiorana, KU4QO

> >
> > "Coote, Jay" wrote:
> > > I'd like to hear from anyone who was built a power FET PA (IRF-511 or
> > > similar N-channel)
> > > for two to five watts output.
> >
>
>

Date: Sun, 11 Jun 2000 12:52:33 EDT
From: ARDUJENSKI@aol.com
To: qrp-1@lehigh.edu
Subject: [72432] STRONG LIGHTWEIGHT WIRE
Message-ID: <ca.5d94025.26751dd1@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

For portable field use I am looking at getting several hundred feet of
lightweight wire that is durable. I have seen a few sources like RF DAVIS,
WIREMAN with their #26 copper clad multistrand wire and FAIR RADIO and his
spool of kite antenna wire. Are these all about the same quality wire? Alan
KB7MBI

Date: Sun, 11 Jun 2000 10:10:32 -0700
From: "JC Smith" <jc-smith@worldnet.att.net>
To: <ARDUJENSKI@aol.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [72433] Re: STRONG LIGHTWEIGHT WIRE
Message-ID: <008d01bfd3c7\$f90d1500\$1f04480c@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Alan,

It sound like you are talking about the same stuff I use for my portable
antennas. I got mine from The Radio Works in VA. www.radioworks.com was
their website a few years ago. It's the #26 VariFlex. 19 strand copperweld
with a strong, thin, black polyethylene jacket. It works great. It's light
weight and very strong. I have never had an antenna break that was made of
that stuff but before that I used to break my portable antennas regularly
(was just using thin copper hook up wire).

I can't speak to the quality of any of the other vendors, but if it is the same specs (#26, 19 strand, cw, jacket, etc.) it probably is pretty close or maybe even the same stuff. These guys all buy from someone, not manufacture themselves. The Radio Works was getting \$.12 per foot, but that was a couple years ago. Makes good wire for a "stealth" antenna too. Real hard to see once you get it up there.

72 - JC,k0hps@amsat.org

----- Original Message -----

From: <ARDUJENSKI@aol.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Sent: Sunday, June 11, 2000 9:52 AM

Subject: STRONG LIGHTWEIGHT WIRE

> For portable field use I am looking at getting several hundred feet of
> lightweight wire that is durable. I have seen a few sources like RF DAVIS,
> WIREMAN with their #26 copper clad multistrand wire and FAIR RADIO and his
> spool of kite antenna wire. Are these all about the same quality wire?

Alan

> KB7MBI

>

Date: Sun, 11 Jun 2000 10:00:59 -0700

From: Randy Foltz <rfoltz@turbonet.com>

To: qrp-l_post <qrp-l@lehigh.edu>

Subject: [72434] Milliwatt Field Day Contest

Message-ID: <3943C5CB.8945037C@turbonet.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

QRP ARCI will sponsor the Milliwatt Field Day contest again this year. This is a piggy-back contest on the ARRL Field Day which takes place June 24 to June 25. Use the same rules as you would for the ARRL Field Day.

The name is a bit misleading since we allow any QRP operation to be included. The entry classes are 1) one watt or less - one operator, 2) one watt or less - two operators, one transmitter, 3) five watts max - one operator, 4) five watts max - two operators, one transmitter and 5) club stations using no more than 5 watts.

Send your results to me either by e-mail to
rfoltz@turbonet.com or by regular mail to

Randy Foltz
809 Leith St.
Moscow, ID 83843

Further details can be found at
<http://personal.palouse.net/rfoltz/arci/mwfd.htm>

73,
Randy, K7TQ
QRP ARCI Contest Chairman

Date: Sun, 11 Jun 2000 10:30:57 -0700
From: Randy Foltz <rfoltz@turbonet.com>
To: qrp1_post <qrp-1@lehigh.edu>
Subject: [72435] PSK-31 Contest
Message-ID: <3943CCD1.A93D6E25@turbonet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The QRP ARCI is pleased to announce a new PSK-31 contest,
End of Summer PSK-31 Sprint, to
be held from 2000 Z to 2400 Z on September 10, 2000.

Summary of rules:

Work stations once per band.
Exchange is RST, State/Province/Country (SPC), ARCI number
or power for non-members.
QSO Points are 5 for member, 4 for non-member different
continent, and 2 for non-member same continent.
Multipliers are SPC total for all bands
Power multiplier is > 5 w = X1, 1-5 W = X7, 250 mW - 1 W =
X10, < 250 mW = X15.
Final score is QSO points X total SPCs X Power Multiplier.
Entry categories are all band, single band, high bands, low
bands, multi-op, and DX.
Suggested frequencies are 1838.15, 3580.15, 7035.18 or
7080.15, 10140.15, 14070.15, 18100.15, 21080.15 or 21070.15,
24920.15, and 28120.15.

Use the High Claimed Scores at
<http://personal.palouse.net/rfoltz/arci/form.htm> to report
your score and soapbox.

Send results within 30 days to

Randy Foltz
809 Leith St.
Moscow, ID 83843

or e-mail to rfoltz@turbonet.com.

You've got lots of time to get your equipment ready for the
contest.

73,
Randy, K7TQ
QRP ARCI Contest Chairman

Date: Sun, 11 Jun 2000 12:56:36 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-1@lehigh.edu
Subject: [72436] Re: STRONG LIGHTWEIGHT WIRE
Message-ID: <200006111734.NAA26467@wolf.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

I wonder if piano wire (stainless steel, I think) is available in,
say, 100 ft spools? It would be a heck of a lot stronger than copper
of the same gauge, which means one could use a very small gauge.
However, making connections to it could be a trick. Might be a tad
expensive though, but on the other hand, should last pretty much
forever..

72,
Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Sun, 11 Jun 2000 13:37:28 EDT
From: NB6M@aol.com
To: john@neknetwork.com, qrp-1@lehigh.edu
Subject: [72437] Re: SMK-1 TX/RX Calibration and Making Contacts

Message-ID: <6a.3a92322.26752858@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi John,

The concern about being on the "correct" sideband is really for a rig that is using one oscillator (VFO or VXO, whatever) for both the receiver and the transmitter, and that has an "offset" circuit so that the transmitted signal is a frequency that is an audio tone, say 700 Hz, different than the received frequency.

Your receiver is tuned 700 Hz or so away from the actual frequency of the transmitted signal so that when another station's transmitted signal is zero beat on your transmitted signal, you hear an audio tone. If your receiver were zero beat, tuned exactly to the transmitted frequency, you would hear nothing.

If the offset circuit is set up so that the transmitted frequency is higher than the received frequency, you have to tune the receiver so that you listen to the Upper Sideband of any station you want to QSO. If, as you tune up in frequency, the received tone gets lower, you are listening to Upper Sideband.

If you tuned that same rig so as to listen to a tone of 700 Hz in Lower Sideband, meaning that as you tuned your rig down in frequency the tone of the received signal got lower, your transmitted frequency would be double the offset frequency (1.4 KHz if the offset is 700 Hz) away from the frequency of the received signal.

So, thinking of the SMK-1, as you turned your receiver tune pot to the right and the tone got lower, you were tuning through the Upper Sideband. Just pick a comfortable tone, say 600 to 800 Hz and stop there.

But, unlike the single oscillator rig which has an offset circuit that always has the transmitted frequency on the same sideband, and in which the transmitter is tuned by the same knob, right along with the receiver, the SMK-1 uses two separate oscillators, one for receive and one for transmit, has separate tuning knobs for each one, and you are creating the "offset" (the difference between the transmitted and received frequencies) by how you set the tuning of the transmitter and receiver tune knobs.

This means that you can set up the offset so that the transmitter frequency is either higher or lower than the receiver frequency, and yes, this means that you can work any station that zero beats their transmitter frequency to your transmitter frequency while listening to them on EITHER sideband.

So, for the SMK-1 (and any CW rig that uses two completely separate

oscillators for Receive and Transmit) it really makes no difference which sideband you listen to in order to work a station that is zero beat on your transmitter frequency. You simply tune your receiver so that you listen to a comfortable audio tone in either sideband.

This can be a real advantage if there is heavy QRM on one side of the transmitted frequency and not on the other. You can simply tune your receiver right through zero beat to the other sideband, and keep right on QSOing.

Hope that helps.

72

Wayne NB6M

Date: Sun, 11 Jun 2000 18:00:19 +0000
From: Michael Neverdosky <mneverdosky@earthlink.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [72438] Re: STRONG LIGHTWEIGHT WIRE
Message-ID: <39438D63.CCC61E6E@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

You can get stainless wire in 0.023" at any welding shop.
Usually available in 1 lb, 2 lb, and 10 lb spools.
Copper clad steel wire is also available along with
aluminum.

There is even phospher bronze wire available.

michael N6CHV (with a wire feed welder in the shop)

Steven Weber wrote:

>
> I wonder if piano wire (stainless steel, I think) is available in,
> say, 100 ft spools? It would be a heck of a lot stronger than copper
> of the same gauge, which means one could use a very small gauge.
> However, making connections to it could be a trick. Might be a tad
> expensive though, but on the other hand, should last pretty much
> forever..

Date: Sun, 11 Jun 2000 14:00:32 -0400 (EDT)
From: n2go@arrl.net
To: Steven Weber <kd1jv@moose.ncia.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [72439] Re: STRONG LIGHTWEIGHT WIRE
Message-ID:
<Pine.LNX.4.20.0006111354110.1239-1000000@valhalla.valhalla.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

You can use Stainless steel. I've used it for radials. I have a 10" disc at the base of an antenna with holes every 6 degrees around the circumference. They were tapped for 6-32 stainless screws. I then used screws and lockwashers to affix the SS ground wires. No corrosion yet :)

The source of SS wire was from a welding supply company. It comes in rolls that are about 5 inches in diameter. I recommend wearing leather work gloves when handling the stuff. It has a memory and the ends can be very sharp and unforgiving :(

I have also used tfe wire for ground wire. The teflon jacket protects it from everything under 200 degrees C. I helps to have a cheap source....

73,

Jim n2go

Date: Sun, 11 Jun 2000 14:08:30 EDT
From: BenNW7DX@aol.com
To: ARDUJENSKI@aol.com, qrp-1@lehigh.edu
Subject: [72440] Re: STRONG LIGHTWEIGHT WIRE
Message-ID: <ae.63c8e0e.26752f9e@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Alan,

The #26 stranded copper wire from both RF Davis and WireMan are both pretty much the same wire and are excellent quality. Strong insulation and very durable. Another possible choice for the wire would be Radio Works. I've purchased things from both the WireMan and RadioWorks and the service and quality is great. I'm not familiar with the Fair Radio kite antenna wire, so i'm not sure how it is.

You will find many uses for the wire.

73,
Ben - NW7DX

Date: Sun, 11 Jun 2000 10:31:41 -0700
From: Paul Erickson <paule@sfu.ca>
To: kd1jv@moose.ncia.net, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [72441] Re: STRONG LIGHTWEIGHT WIRE
Message-ID: <3943CCFD.F7B28CFD@sfu.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Steven Weber wrote:

>
> I wonder if piano wire (stainless steel, I think) is available in,
> say, 100 ft spools? It would be a heck of a lot stronger than copper
> of the same gauge, which means one could use a very small gauge.
> However, making connections to it could be a trick. Might be a tad
> expensive though, but on the other hand, should last pretty much
> forever..
>
> 72,
> Steve, KD1JV in the white Mountains of New Hampshire
> "melt solder"
Hi Steve,

Stainless steel fishing line is readily available in lengths much longer
than 100ft. I don't know if the additional resistance would be an issue.

--
cheers, Paul - VA7NT (ex VE7CQK) - email: paule@sfu.ca

"Those who hear not the music, think the dancers mad..."

Date: Sun, 11 Jun 2000 14:58:01 EDT
From: n5ib@juno.com
To: qrp-1@Lehigh.edu
Subject: [72442] USS Kidd Today
Message-ID: <20000611.135223.4671.0.N5IB@juno.com>

I made it down to the Kidd about 1350Z and had the K2 on the air a few minutes later. Just after I adjusted the tuner for 20 m who appears calling CQ but His Royal SOCness, N4BP. So Bob takes the honors of first QSO for #1233 - and a K2^2 QSO at that, with Bob's #438.

I had to cut operations a little shorter than desired to get back home by 1800 Z.

Here the W5KID log, power was 5 W to and end-fed, 50 ft wire through an MFJ tuner.

N4BP	Bob	FL	K2 #438
N4SO	Ken	AL	NC20
K4ZM	Jim	AL	K2 #18 (??!!)
AI7R	Dave	AZ	K2 #1202
KI0II		Ron	C0 TenTec
VE2KN		Jim	Quebec NC20
KE5TC		Roy	5 W
*WN2GSJ/QRP			
W1PID		Jim	NH FT900 then switched to MFJ Cub
KB0EVM		Dave	FL

I lost WN2GSJ very quickly, but copied enough to consider it a valid QSO for QSL purposes

BTW, every notice how many fine operators choose to be named Jim ?? :^)

For those that wishes them, QSL can be via W5GIX, or for quicker reply via me (N5IB). Nice card with a photo of the ship. I'm working on a special certificate for Bob as first QSOer.

72 and thanks to all for calling the Kidd. We'll be on plenty more times... Especially look during Museum Ships on the Air weekend: July 15th 1330Z to July 16th 1900Z

Jim N5IB

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<http://dl.www.juno.com/get/tagj>.

Date: Sun, 11 Jun 2000 15:04:32 -0400

From: Al Patrick <arp@inet4u.com>

To: kd1jv@moose.ncia.net

Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [72443] Re: STRONG LIGHTWEIGHT WIRE
Message-ID: <3943E2C0.F8D59323@inet4u.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Steven Weber wrote:

> I wonder if piano wire (stainless steel, I think) is available in,
> say, 100 ft spools? It would be a heck of a lot stronger than copper
> of the same gauge, which means one could use a very small gauge.
> However, making connections to it could be a trick. Might be a tad
> expensive though, but on the other hand, should last pretty much
> forever..
>
> 72,
> Steve, KD1JV in the white Mountains of New Hampshire
> "melt solder"

I used to work construction and some of the millwrights used a very small stainless steel wire stretched very tight to do some of their work. Don't recall all that they did with it, but the wire is available, but probably pretty expensive -- and TOUGH ! Don't know where to find it, probably some construction supply. It being non-insulated, it would need insulators.

73,

Al

--

"The Truth is Hate, to Those Who Hate the Truth"
Do what's right. You'll please OR AMAZE everyone!

Love and hatred are both necessary. For one to love
some things he must hate others, and visa versa.

Date: Sun, 11 Jun 2000 15:10:13 -0400
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [72444] Another SMK Lives!
Message-ID: <01b701bfd3d8\$ac966f80\$010044c0@Conor.baycty1.mi.home.com>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, yesterday afternoon Mr. Postman brought me a package from Norcal and this afternoon, I got receive and I got RF - no QSO yet, but look at the band condx! As bad as the band is right now, and as weak as the signals are, I still heard a few so it doesn't seem to be suffering the deafness that some have reported.

Pretty intimidating at first, especially looking at the absolutely huge smallest tip on my RS slobbering station. I did have to use a piece of wire wrapped around the iron for the transistors and ICs, but for everything else, I was able to get by.

Following the suggestion on the web pages of others that went before, I did make up a little SMT-holder-downer from a fishing weight and a coat hanger. Sometimes it worked well, other times it didn't.

The Norcal guys did a really great job of kitting this rascal. I took lots and lots of pictures along the way - they will be at my website in about a week. Bit of an experiment here - I used exposures of many seconds to get the depth of field that my NC-20 pictures are lacking - it will be interesting to see the results.

Hey guys - I'm an old guy with not so good eyesight and hands that aren't so steady after almost a half-century of ten cups a day, so if I can do it, so can you!

Off to find first blood!

72/73 de WB8RCR <http://members.home.com/wb8rcr/index.htm>
didileydadidah QRP-L #1446 Code Warriors #35

Date: Sun, 11 Jun 2000 15:20:38 EDT
From: Rod Johnson <ka7you@juno.com>
To: kd1jv@moose.ncia.net, QRP-L@LeHigh.edu
Subject: [72445] Re: STRONG LIGHTWEIGHT WIRE
Message-ID: <20000611.113855.7831.1.ka7you@juno.com>

Steve, and the gang

Yes! I think it is safe to say that ANY wire can be had in 100 foot spools.

I use a light guage stainless steel wire daily in my work. I'll have to check, but I would guess it is about 22 or 24 guage. It is used for

cheese cutting knives, and it comes on a 100 foot spool. I solder it regularly with food grade lead free solder-and lots of heat.

McMaster-Carr also lists SS TIG welding wire in 10 pound spools (.023" size) for about \$110 per spool. I have no idea how much .023" wire is on a 10lb spool but it is surely over a mile-maybe two.

They also list spools of "Stainless steel spring wire" in many different guages from #6 to #31.

You could make your own "Slinky" antenna out of 8 guage SS wire, but it would be a bit expensive at \$84 per 10 Lb spool (~230 feet).

It looks like a 1/4 lb spool of 20 guage SS spring wire is about 240 feet, and coats about \$5.

I just found a listing which showed a 24 ga. soft drawn SS wire at about 930 feet/pound, and the spring wire is about the same.

Rod Johnson KA7YOU from grid CN97AK near Issaquah, Wa.

80M thru 10M with K2 s/n268 and other fine QRP rigs.

VHF thru 1296 MHz-higher bands pending

ARCI-QRP #7251 QRP-L #844 NWQRP #120 NorCal #2007 SOC#184 and others

On Sun, 11 Jun 2000 12:56:36 +0000 "Steven Weber" <kd1jv@moose.ncia.net> writes:

>I wonder if piano wire (stainless steel, I think) is available in,
>say, 100 ft spools? It would be a heck of a lot stronger than copper
>of the same gauge, which means one could use a very small gauge.
>However, making connections to it could be a trick. Might be a tad
>expensive though, but on the other hand, should last pretty much
>forever..

>

>72,

>Steve, KD1JV in the white Mountains of New Hampshire

>"melt solder"

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Date: Sun, 11 Jun 2000 13:36:53 -0600

From: "Karl B. Staddon" <ve6kbs@agt.net>

To: rattray@gpfn.sk.ca

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [72446] Re: clarification please (fwd)

Message-ID: <3943EA55.7D412E12@agt.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bruce, I've looked at the diagram in the lower left corner of the page I believe you are looking at and offer the following (using one of those gooseneck magnifiers with a light on it).

The following pins are clearly referenced elsewhere on the diagram:
1 2 3 4 5(I think what looks like a 6 in the group of six numbers under the LM380 all running to ground is really a 5??) 6 8 10 11 12

So, the pins which are missing are 7 9 13 and 14 if you have a 14 pin chip.

While the number you are looking at LOOKS like a 4, and assuming that 4 is really part of the group of six numbers under the LM380, then my GUESS is 9 as it doesn't look like other handwritten 7's.

That and \$5 will get you a cup of coffee!
Cheers es all the very best
Karl B. Staddon
VE6KBS
cALGARY

Bruce Rattray wrote:

> I'm using Paul Harden's, NA5N, Data book to breadboard an LM380 audio
> amplifier....I'm using the General Purpose LM380N (14 pin version) Power
> Amplifier diagram in Section 4....in the diagram, just above the
> negative input at pin 6 is a 4.7 uF electrolytic to ground.....I'm not
> sure which pin it connects to on the IC....is it pin 7 or 9?....I just
> can't make it out with these eyes...hi hi....
>
> ..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
> A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
> "QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Sun, 11 Jun 2000 15:42:59 -0400
From: Michael Bower <bowerm@ix.netcom.com>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [72447] NorCal 40A and KC1
Message-ID: <3943EBC3.2DA0E719@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

If anyone on the list has a NorCal 40A with a KC1 installed, could they contact me off-list for a question?

TIA

Michael N4NMR

Date: Sun, 11 Jun 2000 14:56:29 +0100
From: Brian <brian@iquest.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [72448] Re: Another SMK Lives!
Message-ID: <39439A8D.87A2CF36@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

John...go get 'em!

72 de KB9BVN

"John J. McDonough" wrote:

>
> Well, yesterday afternoon Mr. Postman brought me a package from Norcal and
> this afternoon, I got receive and I got RF - no QSO yet, but look at the
> band condx! As bad as the band is right now, and as weak as the signals
> are, I still heard a few so it doesn't seem to be suffering the deafness
> that some have reported.
>
> Pretty intimidating at first, especially looking at the absolutely huge
> smallest tip on my RS slobbering station. I did have to use a piece of wire
> wrapped around the iron for the transistors and ICs, but for everything
> else, I was able to get by.
>
> Following the suggestion on the web pages of others that went before, I did
> make up a little SMT-holder-downer from a fishing weight and a coat hanger.
> Sometimes it worked well, other times it didn't.
>
> The Norcal guys did a really great job of kitting this rascal. I took lots
> and lots of pictures along the way - they will be at my website in about a
> week. Bit of an experiment here - I used exposures of many seconds to get
> the depth of field that my NC-20 pictures are lacking - it will be
> interesting to see the results.
>

> Hey guys - I'm an old guy with not so good eyesight and hands that aren't so
> steady after almost a half-century of ten cups a day, so if I can do it, so
> can you!
>
> Off to find first blood!
>
> 72/73 de WB8RCR <http://members.home.com/wb8rcr/index.htm>
> didileydadidah QRP-L #1446 Code Warriors #35

--

```
=====
KB9BVN NORCAL 2792 FISTS 5695 QRP-L 1540 QRP-ARCI 10223
      39.558 N   86.095 W   Johnson Co., Indiana
      GRID: EM69WN - Ten Tec Scout - Attic Dipole - 5w
      Proud to be a member of the American Radio Relay League
      FISTS Century Club #764/#24 QRP - Flying PIG QRP #-57
=====
```

Date: Sun, 11 Jun 2000 16:06:26 -0400
From: John Wagner <john@neknetwork.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [72449] BLT: How to use?
Message-ID: <3943F142.8A63D2A3@neknetwork.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Stupid question time; after tuning with the BLT, do I move switch one back, or does it stay in the "tune" position? The instructions aren't really clear on this. My "big" tuner has a bypass and tune position, so this is why I ask.

Thanks, 73,

John, KB1ENS

--

John Wagner - john@neknetwork.com
Web page: <http://www.neknetwork.com>
Sign up for PayPal:
<https://secure.paypal.com/refer/pal=john%40neknetwork.com>

Date: Sun, 11 Jun 2000 13:40:16 -0700
From: "Coote, Jay" <JCoote@ci.arcadia.ca.us>
To: "'john@neknetwork.com'" <john@neknetwork.com>, Low Power Amateur Radio

Discussion <qrp-l@Lehigh.EDU>

Subject: [72450] RE: How to use?

Message-ID: <131CE266CAD0D211B3550008C7C9A2D51CBBB1@arcadia-pd1.arcadiapd.com>

MIME-Version: 1.0

Content-Type: text/plain

I think the BLT, Rainbow and some other tuners which use resistor bridges have to be switched out of the "tune" or "SWR" position once the antenna has been tuned. With the bridge "in" there will be some loss since much of your RF is diverted into the resistor network. The good thing about resistor SWR bridges is that homebrew TXs always see a resistive load (in the tune position) so you won't harm the final or tune up on a spur or harmonic and get an inaccurate reading. These should probably have the DPDT switch labelled "TUNE" and "OPR".... not to be confused with some large tuners which have a "THRU" position which bypasses the LC circuits in the tuner.

73

Jay

W6CJ

-----Original Message-----

From: John Wagner [mailto:john@neknetwork.com]

Sent: Sunday, June 11, 2000 1:06 PM

To: Low Power Amateur Radio Discussion

Subject: BLT: How to use?

Stupid question time; after tuning with the BLT, do I move switch one back, or does it stay in the "tune" position? The instructions aren't really clear on this. My "big" tuner has a bypass and tune position, so this is why I ask.

Thanks, 73,

John, KB1ENS

--

John Wagner - john@neknetwork.com

Web page: <http://www.neknetwork.com>

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<https://secure.paypal.com/refer/pal=john%40neknetwork.com>

Date: Sun, 11 Jun 2000 17:06:53 EDT

From: SMurph555@aol.com

To: qrp-l@lehigh.edu

Subject: [72451] Sensitive Stereo Headphones

Message-ID: <b6.64aaf95.2675596d@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi all,

I wonder if anyone has some advice on sensitive stereo headphones. I've bought an inexpensive set from RS, but they are simply too insensitive. Now maybe taking the "el-cheapo" tack was the wrong thing to do. Could anyone point me in the direction of easily obtainable, but sensitive, stereo headphones? I don't like earbuds; would rather get a set of "classic" headphones.

Please direct any replies to caljsi@aol.com Thanks for any help!

72/73

Cal K4JSI

Date: Sun, 11 Jun 2000 14:39:44 -0700
From: "K7FD-N7SG" <cqdx@teleport.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [72452] Toroidal Madness: Oops!
Message-ID: <001501bfd3ed\$904341e0\$ca231ad8@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Oops Dept: After two K2's I decided to build the NC-40a to soften the builder's blues until the K1 gets here. Now here's the problem. All the toroids in the K2 were wound going down through the center and clockwise. I did this with the NC-40a also, wrapping the cores in advance. NOW I READ in the manual, that the cores should have been wrapped counterclockwise...thus the leads are out of whack with the PCB holes.

SO, can I use them 'as is' with no ill electrical effects, or do I have to rewind these suckers?

Thanks,

John K7FD

Date: Sun, 11 Jun 2000 16:13:55 -0600
From: Ray Colbert <af852@rgfn.epcc.edu>
To: qrp-1@lehigh.edu

Subject: [72453] Re: PSK-31 Contest - 3580, 7035
Message-ID: <39440F23.739445C6@rgfn.epcc.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Just what we need - more digital stuff on the cw part of the band! with a contest in the planning stage, this far in advance, I would think consideration would be given to using the regular digital/rtty portion of the band instead of adding to the digi crap that is already inhabiting the areas of those frequencies mentioned above.

--

"The more I see of the representatives of the people, the more I admire my dogs." letter from Count d'Orsay to John Foster 1850
Ray Colbert, W5XE, 00TC#3618, SOWP#1064M NARTE-NCT2 SOC#78
MI-QRP 379QRP-ARCI 5784 NORCAL 1110, El Paso, (FAR WEST) TEXAS

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Date: Sun, 11 Jun 2000 18:44:25 -0700
From: "Mark Paley" <mpaley@wcnet.org>
To: <af852@rgfn.epcc.edu>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [72454] Re: PSK-31 Contest - 3580, 7035
Message-ID: <00c401bfd40f\$bee8f7c0\$3bac85cd@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Amen! And just when I was getting back into the CW fold...

Mark Paley--KF8KL--

-----Original Message-----

From: Ray Colbert <af852@rgfn.epcc.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Sunday, June 11, 2000 3:12 PM
Subject: Re: PSK-31 Contest - 3580, 7035

>Just what we need - more digital stuff on the cw part of
>the band! with a contest in the planning stage, this far
>in advance, I would think consideration would be given
>to using the regular digital/rtty portion of the band
>instead of adding to the digi crap that is already

>inhabiting the areas of those frequencies mentioned above.

End of QRP-L Digest 1849
